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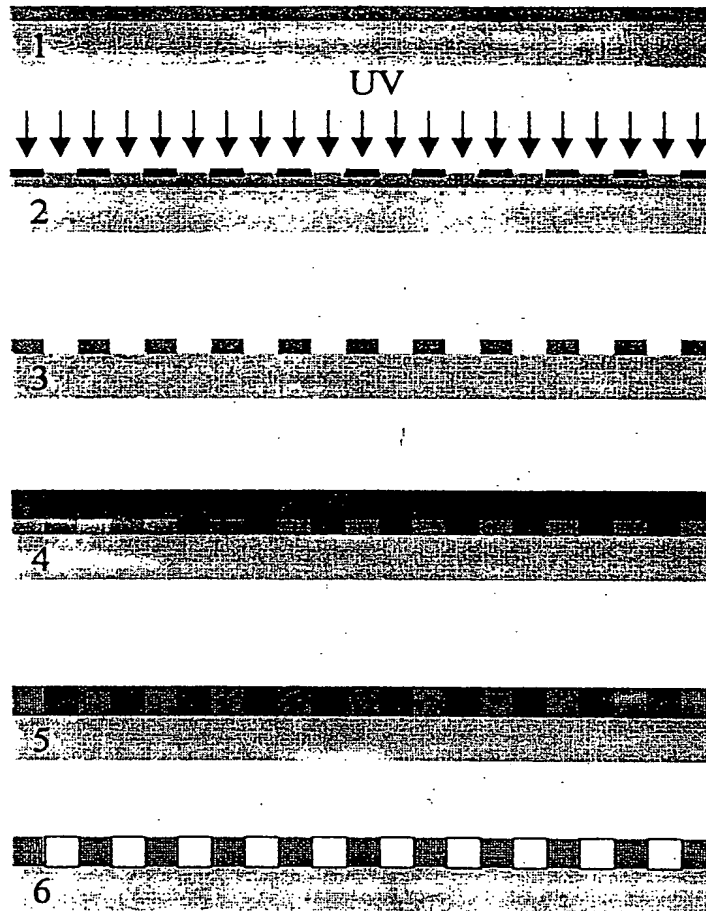


Figure 1: Processing steps for binder diffusion transfer imaging

where the polymer film is a photo resist

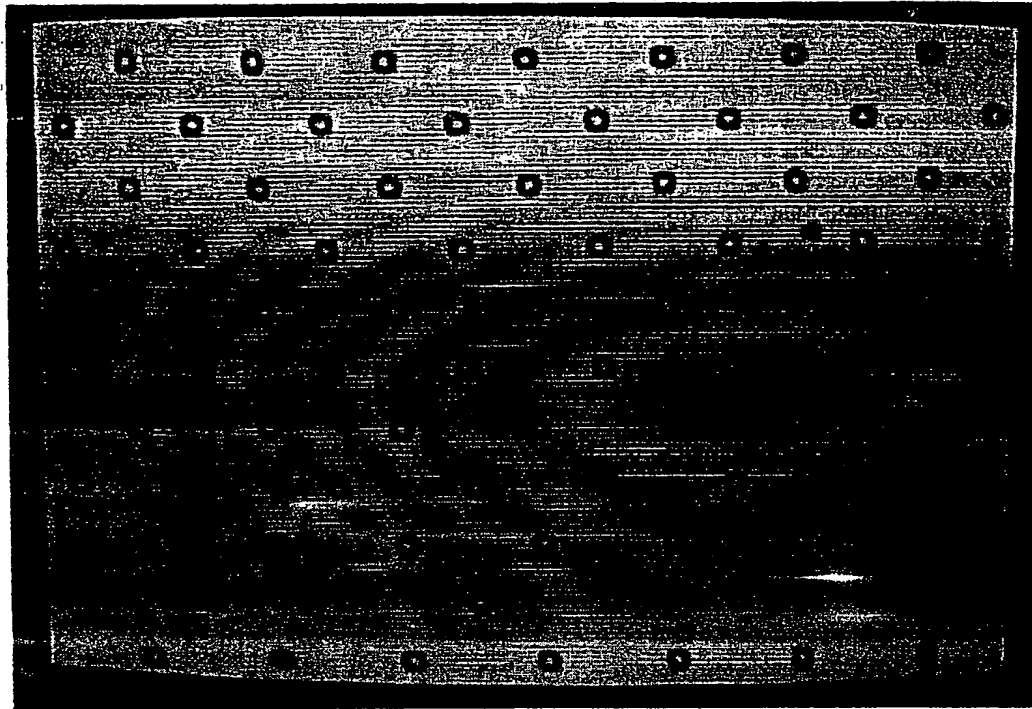


Figure 2: Showing 50 μm x 50 μm photo-resist squares after resist development

Case No.: CL2287
Appl. No.: TO BE ASSIGNED
Title: BINDER DIFFUSION TRANSFER PATTERNING OF A THICK
FILM PASTE LAYER
Attorney: BARBARA C. SIEGELL, ESQ.
Phone: 302-992-4931
Figures 1-5

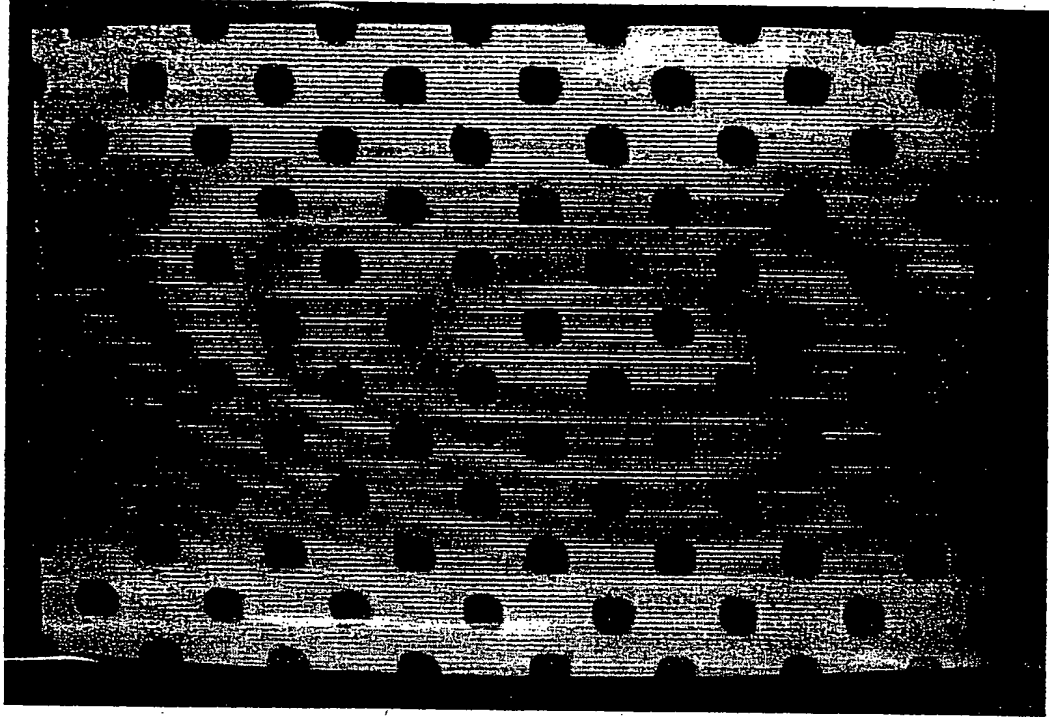
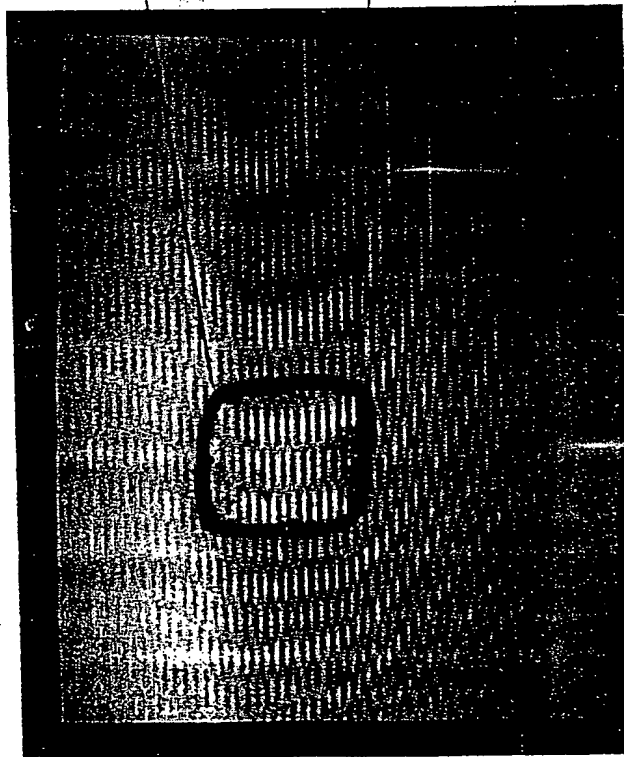


Figure 3: Showing 75 μm x 75 μm CNT paste squares after paste wash-out in alkaline solution.

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Figure 4: Showing the dimension gain which occurs during diffusion transfer;
(a) 50 μm x 50 μm photo-resist squares
(b) 75 μm x 75 μm CNT paste.squares

50 μm square resist pad



About 75 μm square paste pad

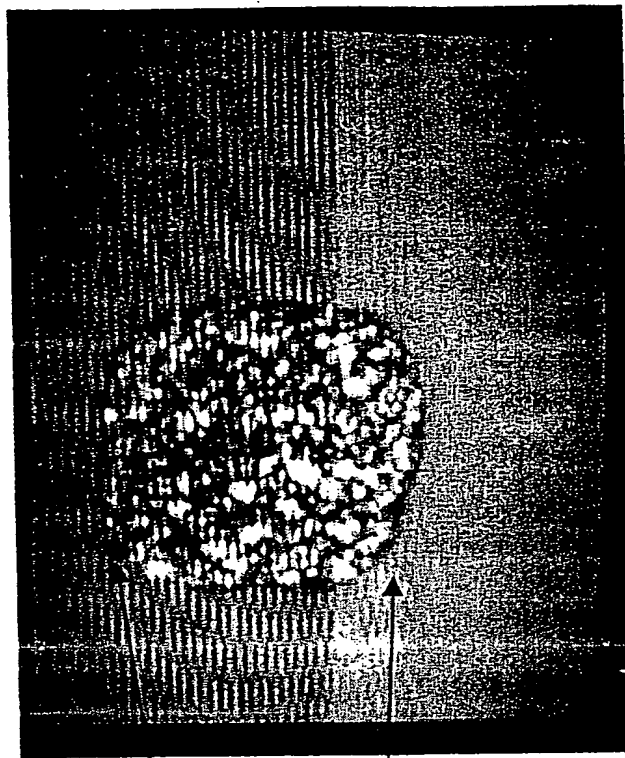
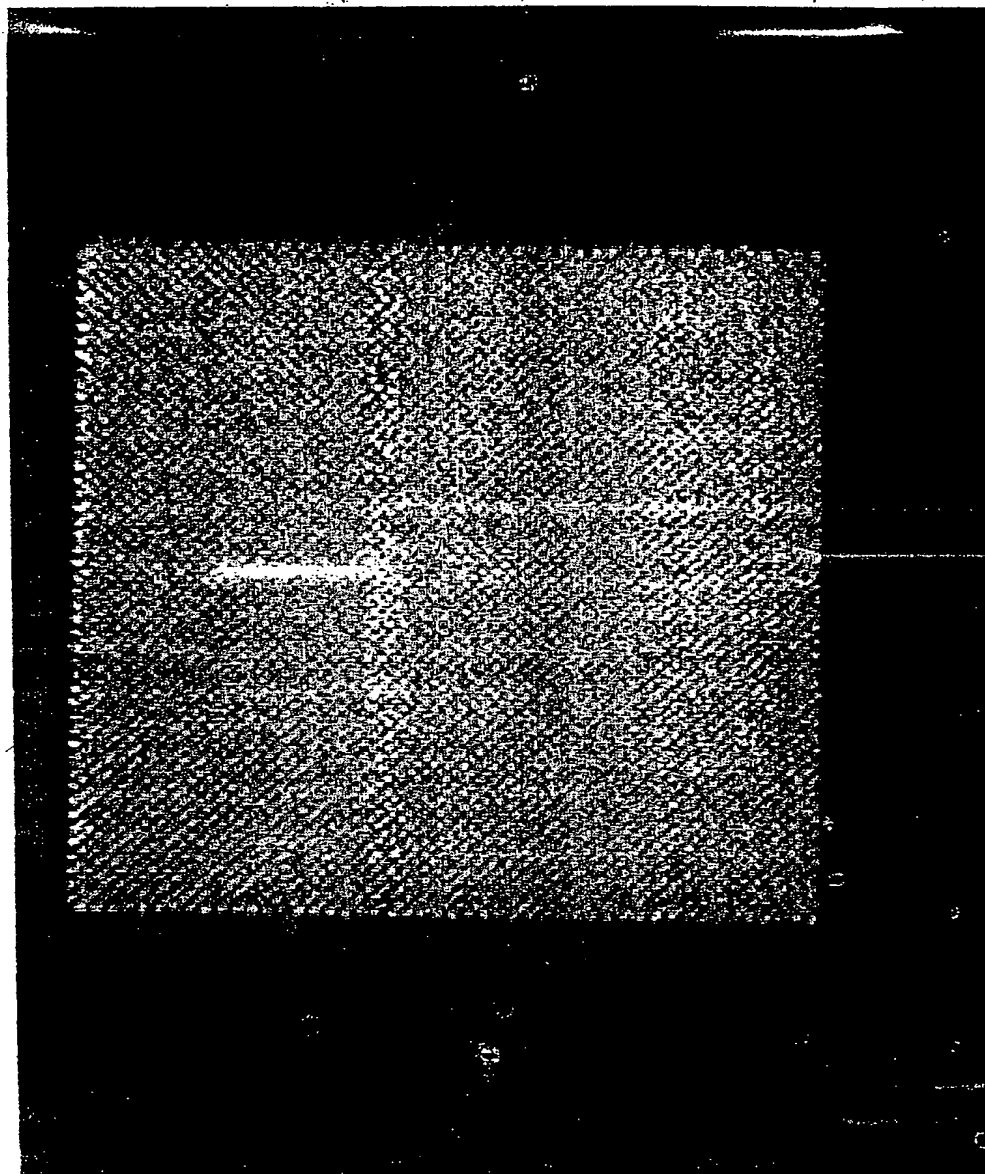


Figure 5: Showing electron field emission illumination of the anode by the CNT paste squares array.
Image was taken at 3 kV and 50 μ amp of anode current.



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